

**ABSTRACT**

A robotically manipulable tool, such as a colony picking head or robotic pipetting tool, includes a processor on the tool. The processor may receive high level instruction from a robot controller and use the instruction to cause devices on the tool to 5 perform desired functions. The processor can also store maintenance and other information regarding past use or repair of the tool. In addition, the processor may perform self-diagnostic tests on the tool or be used to perform functions during bench testing of the tool.